

BOARD OF
BUILDING AND SAFETY
COMMISSIONERS

MARSHA L. BROWN
PRESIDENT

VAN AMBATIELOS
VICE-PRESIDENT

VICTOR H. CUEVAS
HELENA JUBANY
ELENORE A. WILLIAMS

CITY OF LOS ANGELES

CALIFORNIA



ANTONIO R. VILLARAIGOSA
MAYOR

DEPARTMENT OF
BUILDING AND SAFETY
201 NORTH FIGUEROA STREET
LOS ANGELES, CA 90012

ROBERT R. "BUD" OVROM
GENERAL MANAGER

RAYMOND S. CHAN, P.E., S.E.
EXECUTIVE OFFICER

AVM Industries, Inc.
8245 Remmet Avenue
Canoga Park, CA 91304

Attn: Amir Rudyan
(818) 888-0050

RESEARCH REPORT: RR 25550
(CSI # 07140)

BASED UPON ICC EVALUATION SERVICE
REPORT NO. ESR-2503

REEVALUATION DUE DATE:
April 1, 2012
Issued Date: February 10, 2010
Code: 2008 LABC

GENERAL APPROVAL –Reevaluation - AUSSIE Membrane (AVM System 500) and
AUSSIE Membrane II (AVM System 502) Liquid-Applied Waterproofing Membranes

DETAILS

AUSSIE Membranes are approved when in compliance with the description, use, identification and findings of Report No. ESR-2503 issued April 1, 2008, of the ICC Evaluation Service, Incorporated. The Report, in its entirety, is attached and made part of this general approval.

The parts of Report No. 2503 marked by the asterisks have been removed by the Los Angeles Building Department from this approval.

The approval is subject to the following conditions:

1. Installation of the product shall be in accordance with the manufacturer's instructions and the requirements herein. A copy of this report and the installation instructions shall be provided at each job site by the manufacturer.
2. All materials shall be delivered to the job site in the original sealed containers bearing the product name, manufacturer's lot number, directions for use and precautionary labels.
3. The product is approved for below-grade waterproof as required by Section 91.1403.2 of the 2008 Los Angeles City Building Code.

RR 25550
Page 1 of 2

AVM Industries, Inc.

Re: AUSSIE Membrane (AVM System 500) and AUSSIE Membrane II (AVM System 502)
Liquid-Applied Waterproofing Membranes

DISCUSSION

The report is in compliance with the 2008 City of Los Angeles Building Code.

The approval is based on tests in accordance with ICC ES (AC29).

This general approval will remain effective provided the Evaluation Report is maintained valid and unrevised with the issuing organization. Any revision to the report must be submitted to this Department for review with appropriate fee to continue the approval of the revised report.

Addressee to whom this Research Report is issued is responsible for providing copies of it, complete with any attachments indicated, to architects, engineers and builders using items approved herein in design or construction which must be approved by Department of Building and Safety Engineers and Inspectors.

This general approval of an equivalent alternate to the Code is only valid where an engineer and/or inspector of this Department has determined that all conditions of this Approval have been met in the project in which it is to be used.



YEUAN CHOU, Chief
Engineering Research Section
201 N. Figueroa St., Room 880
Los Angeles, CA 90012
Phone - 213-202-9812
Fax - 213-202-9943

g-h
BG:bg
RR25550/MSWord2003
R02/16/2010
2H6/1403.2

Attachment: ICC-ES Report No. ESR-2503 (2 Pages)

ICC Evaluation Service, Inc.
www.icc-es.org

Business/Regional Office ■ 5360 Workman Mill Road, Whittier, California 90601 ■ (562) 699-0543
Regional Office ■ 900 Montclair Road, Suite A, Birmingham, Alabama 35213 ■ (205) 599-9800
Regional Office ■ 4051 West Flossmoor Road, Country Club Hills, Illinois 60478 ■ (708) 799-2305

DIVISION: 07—THERMAL AND MOISTURE PROTECTION
Section: 07140—Fluid-Applied Waterproofing

REPORT HOLDER:

AVM INDUSTRIES INC.
8245 REMMET AVE
CANOGA PARK, CALIFORNIA 91304
(818) 888-0050
www.avmindustries.com
sales@avmindustries.com

EVALUATION SUBJECT:

**AUSSIE MEMBRANE (AVM SYSTEM 500) AND AUSSIE
MEMBRANE II (AVM SYSTEM 502) LIQUID-APPLIED
WATERPROOFING MEMBRANES**

1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2006 *International Building Code*® (IBC)
- 2006 *International Residential Code*® (IRC)

Property evaluated:

Foundation waterproofing

2.0 USES

Aussie Membrane and Aussie Membrane II liquid-applied waterproofing membranes are fluid-applied waterproofing membranes applied to the exterior of foundation walls of parged or unparged concrete masonry units or cast-in-place concrete construction.

3.0 DESCRIPTION

3.1 General:

Aussie Membrane and Aussie Membrane II are water-based polymer modified bituminous membranes. The manufacturer's recommended storage temperature range is between 41°F and 86°F (5°C and 30°C).

3.2 Aussie Membrane:

Aussie Membrane has a resistance to hydrostatic pressure of 7.5 psig (51.7 kPa) over a $1/16$ -inch-wide (1.6 mm) crack when applied in accordance with Section 4.0 and tested in accordance with ASTM C 1306. Aussie Membrane is supplied in 5-gallon (18.9 L) pails with a shelf life of 12 months.

3.3 Aussie Membrane II:

Aussie Membrane II has a resistance to hydrostatic pressure of 8.75 psig (60.3 kPa) over a $1/16$ -inch-wide (1.6 mm) crack when applied in accordance with Section 4.0 and tested in accordance with ASTM C 1306. Aussie Membrane II is

supplied in 264-gallon (1 ton) cubes and 50-gallon (190 kg) drums with a shelf life of 12 months.

4.0 DESIGN AND INSTALLATION

Installation of Aussie Membrane and Aussie Membrane II liquid-applied waterproofing membranes must comply with this report and the manufacturer's published installation instructions. The manufacturer's published installation instructions must be available at the jobsite at all times during installation.

Aussie Membrane is brush/squeegee-, roller- or spray-applied in two coats, to a total wet film thickness of 95 mils [0.095 inch (2.4 mm)], which cures to a total dry film thickness of 60 mils [0.060 inch (1.52 mm)], to the exterior vertical surfaces of below-grade foundation walls of parged or unparged concrete masonry units or cast-in-place concrete construction.

Aussie Membrane II membrane is spray-applied in one coat, to a wet film thickness of 128 mils [0.128 inch (3.3 mm)], which cures to a dry film thickness of 128 mils [0.128 inch (3.3 mm)], to the exterior vertical surfaces of below-grade foundation walls of parged or unparged concrete masonry units or cast-in-place concrete construction.

The surface to which the coatings are applied must be structurally sound, clean, dry, and free of dust, mud, loose mortar, sand, soil, frost or loose materials. Additionally, there must be no fins, metal projections or any substances that will prevent bonding of the membrane to the surface. Voids in concrete or concrete masonry, tie holes and honeycombed areas in the foundation wall must be filled with nonshrinking grout or an asphalt-based mastic. Where nonshrinking grout is used for filling voids, the grout must be allowed to cure before the membrane is applied. Concrete and parged masonry surfaces must be cured and dry prior to application of the membranes.

The air temperature during application must be in the range of 41°F to 95°F (5°C to 35°C).

Both membranes are required to cure for a period of 24 hours before any backfill is placed against the wall. Protection boards or other protection systems must be placed against the wall to protect the membrane when backfill contains angular stone or other sharp objects.

5.0 CONDITIONS OF USE

The Aussie Membrane and Aussie Membrane II liquid-applied waterproofing membranes described in this report comply with, or are suitable alternatives to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

5.1 Installation must comply with this report, the manufacturer's published installation instructions and the

ES REPORTS™ are not to be construed as representing aesthetics or any other attributes not specifically addressed, nor are they to be construed as an endorsement of the subject of the report or a recommendation for its use. There is no warranty by ICC Evaluation Service, Inc., express or implied, as to any finding or other matter in this report, or as to any product covered by the report.



applicable code. In the event of a conflict between the manufacturer's published installation instructions and this report, this report governs.

- 5.2 The coatings are limited to applications on the exterior vertical surfaces of below-grade foundation walls.
- 5.3 Joints and penetrations of the walls to which the coatings are to be applied must be made watertight in accordance with the requirements of the applicable code.
- 5.4 This report is limited to an evaluation of the coatings applied to the minimum thickness stated in Section 4.0.
- 5.5 Application of the coatings on uncured ("green") concrete is outside the scope of this report.

6.0 EVIDENCE SUBMITTED

Data in accordance with the ICC-ES Acceptance Criteria for Cold, Liquid-applied, Below-grade, Exterior Damp-proofing and Waterproofing Materials (AC29), dated March 2004 (editorially revised January 2008).

7.0 IDENTIFICATION

Containers of the liquid-applied membranes as described in this report must be identified by a label bearing the distributor's name (AVM Industries, Inc.) and address, the product name (Aussie Membrane or Aussie Membrane II) and the evaluation report number (ESR-2503).